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Sequence Listing was accepted.

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Reviewer: Durreshwar Anjum

Timestamp: [year=2007; month=12; day=10; hr=14; min=12; sec=3; ms=680;]

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Application No: 10716293

Version No: 3.0

Input Set:**Output Set:****Started:** 2007-11-19 16:59:18.503**Finished:** 2007-11-19 16:59:22.389**Elapsed:** 0 hr(s) 0 min(s) 3 sec(s) 886 ms**Total Warnings:** 220**Total Errors:** 0**No. of SeqIDs Defined:** 220**Actual SeqID Count:** 220

Error code	Error Description
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W 213	Artificial or Unknown found in <213> in SEQ ID (4)
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W 213	Artificial or Unknown found in <213> in SEQ ID (15)
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W 213	Artificial or Unknown found in <213> in SEQ ID (17)
W 213	Artificial or Unknown found in <213> in SEQ ID (18)
W 213	Artificial or Unknown found in <213> in SEQ ID (19)
W 213	Artificial or Unknown found in <213> in SEQ ID (20)

Input Set:

Output Set:

Started: 2007-11-19 16:59:18.503
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Total Errors: 0
No. of SeqIDs Defined: 220
Actual SeqID Count: 220

Error code

Error Description

This error has occurred more than 20 times, will not be displayed

SEQUENCE LISTING

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EHTESHAMI, GHOLAM R.

<120> THERAPEUTIC BIOCONJUGATES

<130> AZTE:015US

<140> 10716293

<141> 2003-11-17

<150> 10/295,734

<151> 2002-11-15

<160> 220

<170> PatentIn version 3.2

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<211> 54

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Integrin

<220>

<221> CDS

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act tac aaa aca aag gag gaa atg ata gta gca acg agt cag acc agt 48
Thr Tyr Lys Thr Lys Glu Glu Met Ile Val Ala Thr Ser Gln Thr Ser
1 5 10 15

caa tat	54
Gln Tyr	

 $\langle 210 \rangle \quad 2$

<211> 18

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Integrin

<400> 2

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1 5 10 15

Gln Tyr

<210> 3
<211> 15
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Integrin

<220>
<221> CDS
<222> (1)..(15)

<400> 3
cag acc agt caa tat 15
Gln Thr Ser Gln Tyr
1 5

<210> 4
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<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Integrin

<400> 4

Gln Thr Ser Gln Tyr
1 5

<210> 5
<211> 15
<212> DNA
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<220>
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ata gca gta ata gga 15
Ile Ala Val Ile Gly
1 5

<210> 6
 <211> 5
 <212> PRT
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 <223> Description of Artificial Sequence: Integrin

<400> 6

Ile Ala Val Ile Gly
 1 5

<210> 7
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 <212> DNA
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<220>
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 aat ttc cta gag aag ttt gtt cag ggt ctc gat atc ggc cct acc aaa 48
 Asn Phe Leu Glu Lys Phe Val Gln Gly Leu Asp Ile Gly Pro Thr Lys
 1 5 10 15

 acc cag gtc ggt ctg ata caa tat gcg aat aat cca cgc tgg ttc aat 96
 Thr Gln Val Gly Leu Ile Gln Tyr Ala Asn Asn Pro Arg Trp Phe Asn
 20 25 30

 cta aat act tat aag act aag gaa gag atg att gtt gct acc tcc cag 144
 Leu Asn Thr Tyr Lys Thr Lys Glu Glu Met Ile Val Ala Thr Ser Gln
 35 40 45

 act agc cag tac ggc ggt gat cta aca aat aca ttc gga gcg atc cag 192
 Thr Ser Gln Tyr Gly Gly Asp Leu Thr Asn Thr Phe Gly Ala Ile Gln
 50 55 60

 tat gcg cga aaa tat gcg tat tca gcg gcc tct gga ggc cgt cga agt 240
 Tyr Ala Arg Lys Tyr Ala Tyr Ser Ala Ala Ser Gly Gly Arg Arg Ser
 65 70 75 80

 gca aca ctt aaa gta atg gtg 261
 Ala Thr Leu Lys Val Met Val
 85

<210> 8
 <211> 87
 <212> PRT
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Integrin

<400> 8

Asn Phe Leu Glu Lys Phe Val Gln Gly Leu Asp Ile Gly Pro Thr Lys
1 5 10 15

Thr Gln Val Gly Leu Ile Gln Tyr Ala Asn Asn Pro Arg Trp Phe Asn
20 25 30

Leu Asn Thr Tyr Lys Thr Lys Glu Glu Met Ile Val Ala Thr Ser Gln
35 40 45

Thr Ser Gln Tyr Gly Gly Asp Leu Thr Asn Thr Phe Gly Ala Ile Gln
50 55 60

Tyr Ala Arg Lys Tyr Ala Tyr Ser Ala Ala Ser Gly Gly Arg Arg Ser
65 70 75 80

Ala Thr Leu Lys Val Met Val
85

<210> 9

<211> 294

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Integrin

<220>

<221> CDS

<222> (1)..(294)

<400> 9

tac aac gtc gac aca gaa tct gca ctt tta tat cag ggc ccg cat aat 48
Tyr Asn Val Asp Thr Glu Ser Ala Leu Leu Tyr Gln Gly Pro His Asn
1 5 10 15

aca ctg ttt ggc tac agt tgg ctc cac tcc cat gga gct cat aga tgg 96
Thr Leu Phe Gly Tyr Ser Trp Leu His Ser His Gly Ala His Arg Trp
20 25 30

cta ctg gta gga gcg cca aca gca atg tgg tta gca atg gca agc gtt 144
Leu Leu Val Gly Ala Pro Thr Ala Met Trp Leu Ala Met Ala Ser Val
35 40 45

att aat cct ggg gcc atc tat aga tgc aga ata gga aaa aac cca ggg 192

Ile Asn Pro Gly Ala Ile Tyr Arg Cys Arg Ile Gly Lys Asn Pro Gly
50 55 60

cag acg tgt gaa ttg caa ttg ggt tca ttc cac ggt gag ccc ggc ggt 240
Gln Thr Cys Glu Leu Gln Leu Gly Ser Phe His Gly Glu Pro Gly Gly
65 70 75 80

aag act tgt cta gag gaa aga gat cac caa tgg ctt ggg gtg acc ctc 288
Lys Thr Cys Leu Glu Glu Arg Asp His Gln Trp Leu Gly Val Thr Leu
85 90 95

tcg aga 294
Ser Arg

<210> 10

<211> 98

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Integrin

<400> 10

Tyr Asn Val Asp Thr Glu Ser Ala Leu Leu Tyr Gln Gly Pro His Asn
1 5 10 15

Thr Leu Phe Gly Tyr Ser Trp Leu His Ser His Gly Ala His Arg Trp
20 25 30

Leu Leu Val Gly Ala Pro Thr Ala Met Trp Leu Ala Met Ala Ser Val
35 40 45

Ile Asn Pro Gly Ala Ile Tyr Arg Cys Arg Ile Gly Lys Asn Pro Gly
50 55 60

Gln Thr Cys Glu Leu Gln Leu Gly Ser Phe His Gly Glu Pro Gly Gly
65 70 75 80

Lys Thr Cys Leu Glu Glu Arg Asp His Gln Trp Leu Gly Val Thr Leu
85 90 95

Ser Arg

<210> 11

<211> 156

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Integrin

<220>

<221> CDS

<222> (1)..(156)

<400> 11

cag gat tat gta aag aaa ttc ggc gaa cat ttt gca agt tgt caa gca	48
Gln Asp Tyr Val Lys Lys Phe Gly Glu His Phe Ala Ser Cys Gln Ala	
1 5 10 15	

ggg ata tcc tcg ttc tat acg aaa gac tta atc gta atg ggt gca cca	96
Gly Ile Ser Ser Phe Tyr Thr Lys Asp Leu Ile Val Met Gly Ala Pro	
20 25 30	

gga tct tca tac tgg aca gga agc tta ttt gta tac atg att acc act	144
Gly Ser Ser Tyr Trp Thr Gly Ser Leu Phe Val Tyr Met Ile Thr Thr	
35 40 45	

aat aag tat aaa	156
Asn Lys Tyr Lys	
50	

<210> 12

<211> 52

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Integrin

<400> 12

Gln Asp Tyr Val Lys Lys Phe Gly Glu His Phe Ala Ser Cys Gln Ala	
1 5 10 15	

Gly Ile Ser Ser Phe Tyr Thr Lys Asp Leu Ile Val Met Gly Ala Pro	
20 25 30	

Gly Ser Ser Tyr Trp Thr Gly Ser Leu Phe Val Tyr Met Ile Thr Thr	
35 40 45	

Asn Lys Tyr Lys	
50	

<210> 13

<211> 156

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Integrin

<220>

<221> CDS

<222> (1)..(156)

<400> 13

cag	gat	tat	gta	aag	aaa	ttc	ggc	gaa	cat	ttt	gca	agt	tgt	caa	gca	48
Gln	Asp	Tyr	Val	Lys	Lys	Phe	Gly	Glu	His	Phe	Ala	Ser	Cys	Gln	Ala	
1				5					10					15		

ggg	ata	tcc	tcg	ttc	tat	acg	aaa	gac	tta	atc	gta	atg	ggg	gca	cca	96
Gly	Ile	Ser	Ser	Phe	Tyr	Thr	Lys	Asp	Leu	Ile	Val	Met	Gly	Ala	Pro	
			20					25					30			

gga	tct	tca	tac	tgg	aca	gga	agc	tta	ttt	gta	tac	atg	att	acc	act	144
Gly	Ser	Ser	Tyr	Trp	Thr	Gly	Ser	Leu	Phe	Val	Tyr	Met	Ile	Thr	Thr	
			35					40					45			

aat	aag	tat	aaa													156
Asn	Lys	Tyr	Lys													
			50													

<210> 14

<211> 52

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Integrin

<400> 14

Gln	Asp	Tyr	Val	Lys	Lys	Phe	Gly	Glu	His	Phe	Ala	Ser	Cys	Gln	Ala
1				5					10					15	

Gly	Ile	Ser	Ser	Phe	Tyr	Thr	Lys	Asp	Leu	Ile	Val	Met	Gly	Ala	Pro
				20				25					30		

Gly	Ser	Ser	Tyr	Trp	Thr	Gly	Ser	Leu	Phe	Val	Tyr	Met	Ile	Thr	Thr
			35					40					45		

Asn	Lys	Tyr	Lys												
			50												

<210> 15

<211> 60

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Integrin

<220>

<221> CDS

<222> (1)..(60)

<400> 15

gga cat aga tgg aaa aac ata ttt tat ata aag aat gaa aat aaa tta 48
Gly His Arg Trp Lys Asn Ile Phe Tyr Ile Lys Asn Glu Asn Lys Leu
1 5 10 15

cca aca gga gga 60
Pro Thr Gly Gly
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<210> 16

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Integrin

<400> 16

Gly His Arg Trp Lys Asn Ile Phe Tyr Ile Lys Asn Glu Asn Lys Leu
1 5 10 15

Pro Thr Gly Gly
20

<210> 17

<211> 33

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Integrin

<220>

<221> CDS

<222> (1)..(33)

<400> 17

gga gga gca cca cag cat gaa caa ata gga aaa 33
Gly Gly Ala Pro Gln His Glu Gln Ile Gly Lys
1 5 10

<210> 18
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Integrin

<400> 18

Gly Gly Ala Pro Gln His Glu Gln Ile Gly Lys
1 5 10

<210> 19
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Integrin

<220>
<221> CDS
<222> (1)..(18)

<400> 19
agt tat tgg aca gga agt 18
Ser Tyr Trp Thr Gly Ser
1 5

<210> 20
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Integrin

<400> 20

Ser Tyr Trp Thr Gly Ser
1 5

<210> 21
<211> 33
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Integrin

<220>

<221> CDS
 <222> (1)..(33)

 <400> 21
 atg gga gca cca gga agt agt tat tgg aca gga 33
 Met Gly Ala Pro Gly Ser Ser Tyr Trp Thr Gly
 1 5 10

 <210> 22
 <211> 11
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Integrin

 <400> 22

 Met Gly Ala Pro Gly Ser Ser Tyr Trp Thr Gly
 1 5 10

 <210> 23
 <211> 111
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Integrin

 <220>
 <221> CDS
 <222> (1)..(111)

 <400> 23
 tac aat gta gat aca gaa agt gca tta ctc tat caa ggt cca cac aac 48
 Tyr Asn Val Asp Thr Glu Ser Ala Leu Leu Tyr Gln Gly Pro His Asn
 1 5 10 15

 aca ttg ttt ggg tat agt tgg ctt cat agt cat gga gca cac aga tgg 96
 Thr Leu Phe Gly Tyr Ser Trp Leu His Ser His Gly Ala His Arg Trp
 20 25 30

 ctg cta gta ggc gca 111
 Leu Leu Val Gly Ala
 35

 <210> 24
 <211> 37
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Integrin

<400> 24

Tyr Asn Val Asp Thr Glu Ser Ala Leu Leu Tyr Gln Gly Pro His Asn
1 5 10 15

Thr Leu Phe Gly Tyr Ser Trp Leu His Ser His Gly Ala His Arg Trp
20 25 30

Leu Leu Val Gly Ala
35

<210> 25

<211> 225

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Integrin

<220>

<221> CDS

<222> (1)..(225)

<400> 25

ata gta acg tgt ggc cat aga tgg aaa aat att ttt tat atc aaa cac 48
Ile Val Thr Cys Gly His Arg Trp Lys Asn Ile Phe Tyr Ile Lys His
1 5 10 15

gaa aac aaa tta cca aca gga ggg tgt tat ggc gtg ccc ccg gat tta 96
Glu Asn Lys Leu Pro Thr Gly Gly Cys Tyr Gly Val Pro Pro Asp Leu
20 25 30

aga acc gaa tta agt aag aga ata gcc cct ggt tat cag gac tac gtt 144
Arg Thr Glu Leu Ser Lys Arg Ile Ala Pro Gly Tyr Gln Asp Tyr Val
35 40 45

aaa aag ttc gga gag cat ttt gct agt tgc caa gca ggt atc agt agt 192
Lys Lys Phe Gly Glu His Phe Ala Ser Cys Gln Ala Gly Ile Ser Ser
50 55 60

ttc tac act aag gat tta att gtc atg ggg gcg 225
Phe Tyr Thr Lys Asp Leu Ile Val Met Gly Ala
65 70 75

<210> 26

<211> 75

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Integrin

<400> 26

Ile Val Thr Cys Gly His Arg Trp Lys Asn Ile Phe Tyr Ile Lys His
1 5 10 15

Glu Asn Lys Leu Pro Thr Gly Gly Cys Tyr Gly Val Pro Pro Asp Leu
20 25 30

Arg Thr Glu Leu Ser Lys Arg Ile Ala Pro Gly Tyr Gln Asp Tyr Val
35 40 45

Lys Lys Phe Gly Glu His Phe Ala Ser Cys Gln Ala Gly Ile Ser Ser
50 55 60

Phe Tyr Thr Lys Asp Leu Ile Val Met Gly Ala
65 70 75

<210> 27

<211> 222

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Integrin

<220>

<221> CDS

<222> (1)..(222)

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Tyr Met Ile Thr Thr Asn Lys Tyr Lys Ala Phe Leu Gly Lys Gln Asn
1 5 10 15

cag gtg aag cca gga agt tat tta ggg tat agt gta ggt gcc ggc cat 96
Gln Val Lys Pro Gly Ser Tyr Leu Gly Tyr Ser Val Gly Ala Gly His
20 25 30

ttc aga ag